

LISTING OF CLAIMS

1-51. (Cancelled).

52. (New) A communication system, comprising:

an obtaining means for obtaining a corresponding dynamic address by sending an identifier to a mapping notification system which stores a pair of an identifier and a dynamic address; and

a determination means for determining whether or not a dynamic address stored in the mapping notification system is correct by accessing other communication node to which the dynamic address obtained by the obtaining means is assigned.

53. (New) The communication system of Claim 1, wherein the determination means determines whether or not the communication node is a communication node to be communicated, based on the comparison of the identifier sent to the mapping notification system and a reply for the access to the communication node.

54. (New) The communication system of Claim 1, wherein when the determining means determines that the address is not correct,

(i) said obtaining process and determination process are executed again,

(ii) an execution of a process to be executed after said determination process is stopped, or

(iii) a control process for preventing from sending back a reply of said address from the mapping notification system is executed.

55. (New) The communication system of Claim 1, wherein the reply for the access to the communication node is identifiers assigned with the communication node, additional information, or specific character string including information based on the foregoing.

56. (New) The communication system of Claim 1, wherein at least either of the obtaining means and the determining means is provided on the communication node or a communication node other than this.

57. (New) The communication system of Claim 1, wherein access of the determining means is conducted under different condition for each communication node.

58. (New) The communication system of Claim 1, wherein the determining means is provided on a computer or a network connecting equipment.

59. (New) The communication system of Claim 1, wherein the obtaining means obtains an address corresponding to the identifier by forward name asking.

60. (New) The communication system of Claim 1, wherein the communication node is a communication node where address is assigned dynamically, or a communication node referred to together with an external network.

70. (New) The communication system of Claim 1, wherein the communication node where the address is assigned replies after lapse of time where said change actually occurs after action that the address stored in the mapping notification system changes.

71. (New) The communication system of Claim 1, wherein the address of the mapping notification system is managed using SNMP (Simple Network Management Protocol).

72. (New) The communication system of Claim 1, wherein if the determining means determines that the address is not correct, it is prevented to send back a reply of said address from the mapping notification system by deleting the address from the mapping notification system.

73. (New) The communication system of Claim 1 providing given service to a communication node which notifies the identifier to storage exchange network

74. (New) The communication system of Claim 1, wherein the identifier is FQDN (Fully Qualified Domain Name) or information based on it.

75. (New) A communication node, comprising:

an obtaining means for obtaining a corresponding dynamic address by sending an identifier to a mapping notification system which stores a pair of an identifier and a dynamic address; and

a determination means for determining whether or not a dynamic address stored in the mapping notification system is correct by accessing other communication node to which the dynamic address obtained by the obtaining means is assigned.